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Filed: 24 May 2000

For: ABRASION-RESISTANT INK COMPOSITIONS AND METHODS OF USE

## Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the aboveidentified application:

## 1. - 10. (Cancelled)



11. (Currently Amended) A method for improving durability of an image on an elastomeric bandage comprising the step of:

coating an imagewise layer of a urethane polymer-containing ink composition onto an elastomeric substrate, which forms a part of the elastomeric bandage, wherein the urethane polymer comprises a number average molecular weight in the noncross-linked form of about 1,500 to about 50,000; and further wherein the composition comprises urethane polymer particles leaving a particle size of 0.01 micron to 0.25 micron.

- 12. (Previously Presented) The method of Claim 11 wherein the urethane polymer-containing ink composition is a water-based composition comprising a dispersion of pigment.
- 13. (Original) The method of Claim 11 wherein the urethane polymer-containing compound further comprises a cross-linker to cross-link the urethane polymer.
- 14. 15. (Cancelled)
- 16. (Currently Amended) A method for printing an image on an elastomeric bandage comprising the step of:

printing an image onto an elastomeric substrate, which forms a part of the elastomeric bandage, using at least one ink composition comprising a stable nonpolyethylene containing aqueous dispersion of pigment and particles of a urethane

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polymer: wherein the particles of the wrethane polymer have a particle size of 0.01 micron to 0.25 micron.

- 17. (Previously Presented) The method of Claim 16 further comprising the step of coating a layer of a urethane polymer-containing composition onto the elastomeric substrate before the printing step.
- 18. (Original) The method of Claim 16 wherein the urethane polymer comprises a number average molecular weight in the noncross-linked form of about 1,500 to about 50,000.
- 19. (Original) The method of Claim 17 wherein the urethane polymer-containing compound of the coating step further comprises a cross-linker to cross-link the urethane polymer.
- 20. (Original) The method of Claim 16 wherein the ink composition further comprises a cross-linker to cross-link the urethane polymer.
- 21. (Original) The method of Claim 16 wherein the ink composition is provided in at least one layer of ink in the printed image.
- 22. (Previously Presented) The method of Claim 16 wherein at least one ink composition comprises a dispersion of white pigment.
- 23. (Original) The method of Claim 16 wherein the at least one ink composition comprises at least one layer of ink in the image.
- 24. (Original) The method of Claim 16 wherein the at least one ink composition is in the last ink layer printed in the image.

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25. (Currently Amended) A method for printing an image on an elastomeric bandage comprising the steps of:

printing a first layer of ink onto an elastomeric substrate, which forms a part of the elastomeric bandage, the first layer of ink comprising a stable aqueous dispersion of pigment and particles of a urethane polymer; and

printing an image over the first layer of ink wherein the last layer of ink, farthest from the substrate, comprises a stable aqueous dispersion of pigment and particles of a urethane polymer; wherein the particles of the urethane polymer have a particle size of 0.01 micron to 0.25 micron.

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- 26. (Original) The method of Claim 25 wherein at least one layer of ink is printed using a nonaqueous-based ink.
- 27. (Original) The method of Claim 25 wherein the ink composition in the first layer of ink further comprises a cross-linker to cross-link the urethane polymer.
- 28. (Original) The method of Claim 25 wherein the first layer comprises an ink comprising a white pigment.
- 29. (Original) The method of Claim 25 wherein an opaque layer of white pigment is disposed between the first layer of ink and the image.
- 30. (Original) The method of Claim 25 wherein the image is printed with an ink composition comprising a stable aqueous dispersion of pigment and particles of a wrethane polymer.
- 31. (Original) The method of Claim 25 wherein the last layer of ink, farthest from the substrate, further comprises a cross-linker to cross-link the urethane polymer.

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- 32. (Original) The method of Claim 25 wherein the image is covered with a coating comprising a backsize or sealer.
- 33. (Original) The method of Claim 25 wherein the sealer is a urethane polymer adhesive.
- 34. (Cancelled)
- (Previously Presented) The method of Claim 16 wherein the bandage comprises the elastomeric substrate and an adsorbent pad.

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- 36. (Original) The method of Claim 35 wherein the image is printed over the adsorbent pad.
- 37. (Previously Presented) The method of Claim 16 wherein the elastomeric substrate is selected from a group consisting of polyurethane, elastomeric polyethylene, low density polyethylene and a nonwoven elastomeric web.
- 38. (Cancelled)
- 39. (Currently Amended) A method for limiting abrasion of an ink on an elastomeric bandage comprising the steps of:

applying at least one ink composition comprising a water-based dispersion of a urethane polymer to an elastomeric substrate, which forms a part of the elastomeric bandage, in an imagewise fashion; wherein the dispersion of a urethane polymer comprises urethane polymer particles having a particle size of 0.01 micron to 0.25 micron.

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- 40. (Original) The method of Claim 39 wherein the composition is an ink composition comprising a stable aqueous dispersion of pigment and particles of a urethane polymer and a cross-linker to cross-link the urethane polymer.
- 41. (Original) The method of Claim 39 wherein the at least one ink composition of the printing step comprises a stable aqueous dispersion of pigment and particles of a wethane polymer and a cross-linker to cross-link the wethane polymer.
- 42. (Original) The method of Claim 39 wherein the printing step is selected from the group consisting of rotogravure printing, flexographic printing and offset printing.
- 43. (Previously Presented) The method of Claim 39 wherein the elastomeric substrate is selected from a group consisting of polyurethane, elastomeric polyethylene, low density polyethylene, and a nonwoven elastomeric web.
- 44. (Original) The method of Claim 39 wherein the composition comprises a water-based pigment.
- 45. (Original) The method of Claim 39 wherein the water-based pigment is a white pigment.
- 46. 48. (Cancelled)
- 49. (Currently Amended) An elastomeric bandage comprising a printed image wherein the printed image is prepared from at least one ink composition comprising a stable aqueous dispersion of pigment and particles of a urethane polymer; wherein the particles of a urethane polymer have a particle size of 0.01 micron to 0.25 micron.

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- 50. (Original) The elastomeric bandage of Claim 49 wherein the at least one ink composition further comprises a cross-linker to cross-link the urethane polymer.
- 51. (Original) The elastomeric bandage of Claim 49 wherein the bandage further comprises a pad.
- 52. (Original) The elastomeric bandage of Claim 51 wherein the image is printed over the pad.
- 53. (New) The method of claim 11 wherein the polymer particles have a particle size of 0.01 micron to 0.10 micron.
- 54. (New) The method of claim 16 wherein the polymer particles have a particle size of 0.01 micron to 0.10 micron.
- 55. (New) The method of claim 25 wherein the polymer particles have a particle size of 0.01 micron to 0.10 micron.
- 56. (New) The method of claim 39 wherein the polymer particles have a particle size of 0.01 micron to 0.10 micron.
- 57. (New) The bandage of claim 49 wherein the polymer particles have a particle size of 0.01 micron to 0.10 micron.